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**STUDY OVERVIEW**

- Collect data:
  - Existing truck volumes
  - Truck origins and destinations
  - Distribution of truck trips
- Analyze traffic impacts of truck trips in study area
- Identify sources of truck trips
- Recommend improvements and strategies to reduce truck impacts on traffic



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TRUCK TRAFFIC STUDY



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**STUDY AREA**


- Focused on Port Hueneme/Oxnard area
- Numerous sources of truck trips
- Traffic analysis examined 25 intersections
- Focus on existing conditions





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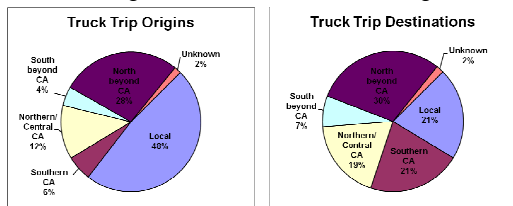
- Several components to data collection effort:
  - Traffic counts
    - Daily roadway auto and truck volumes
    - Peak hour intersection auto and truck volumes
  - Truck driver surveys
  - Private business telephone surveys

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- Surveys developed for Port of Hueneme and Naval Base Ventura County
- Port of Hueneme
  - 1,200+ surveys (over 90% response rate)
- Naval Base Ventura County
  - 200+ surveys (over 90% response rate)

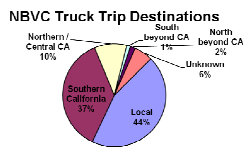
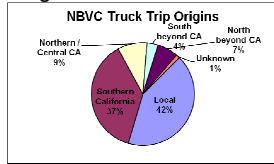
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- Daily average of 125 trucks entering Port = 250 two-way trips per day
- Over 80% of truck trips are semis/tractor-trailers
- Perishable goods are most common cargo – 66%

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## NBVC TRUCK DATA

- Survey focused on Victoria Avenue gate
- Daily average of 90-95 trucks entering the Base  
= 180-190 two-way trips per day
- Greater range in truck size than Port of Hueneme
- Majority of truck trips are related to delivering goods to the Base



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## PRIVATE BUSINESS SURVEYS

- 14 local businesses surveyed via phone
  - Auto distributors, agriculture, oil, sod farm
- Small sample of truck trip generation in study area
- Questions focused on truck trip generation and distribution on local roadway network
- Key points:
  - Numerous sources of truck trips
  - Numerous destinations
  - Access to US-101 is important



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## EXISTING TRAFFIC CONDITIONS

- Existing conditions analysis at 25 intersections
- Analysis methodology consistent with Port Hueneme/Oxnard guidelines
- 6 intersections do not operate at acceptable level of service



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## FINDINGS

- Port of Hueneme and Naval Base Ventura County
  - Major truck trip destinations in study area
  - Generate a relatively small percentage of the total number of trucks in the study area
- Numerous smaller businesses combine to generate the majority of truck trips
- Hueneme Road/Rice Ave corridor is well utilized as access route from Port to US-101



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## RECOMMENDATIONS

- Improve Victoria Ave/Channel Islands Blvd and Rice Ave/Gonzales Rd intersections
- Implement recently funded Rice Ave interchange reconfiguration
- Install directional signage to encourage trucks to use Hueneme Rd and Rice Ave
- Implement traffic signal coordination on Hueneme Rd and Rice Ave
- Widen Hueneme Rd to four-lane arterial between Ventura Rd and Rice Ave



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## RECOMMENDATIONS

- Continue to pursue the grade separation of Rice Ave rail crossing at 5<sup>th</sup> St
- Work with Caltrans to install signage on US-101 identifying preferred Port of Hueneme and NBVC access routes
- Incorporate noise-reducing design features into new residential developments near truck routes



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## NEXT STEPS

- Identify funding opportunities & responsibilities for improvements
- Monitor future changes to traffic volumes and truck traffic sources
- Explore additional opportunities with Proposition 1B, Homeland Security, and other sources to fund improvements for security and intelligent transportation systems (ITS)



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